

Remarks

Reconsideration of this Application is respectfully requested.

Claims 1-17 have been canceled and replaced by new claims 18-28. No new matter has been added.

Rejections Under 35 U.S.C. §102(e)

Claims 1 and 4 were rejected under 35 U.S.C. §102(e) as being allegedly anticipated by U.S. Patent No. 6,552,440 to Gilbreth *et al* ("Gilbreth). This rejection is respectfully traversed with respect to new claims 18-28 for the following reasons.

The Examiner acknowledges that Gilbreth does not teach or suggest the use of an electrically resistive element coupled to the generator and disposed in the compressor upstream of the outlet portion of the compressor to selectively dissipate a portion of the generated power as thermal energy in the air channeled into the compressor. For at least this reason, Gilbreth does not anticipate the invention encompassed within the scope of claims 18-28.

Reconsideration and withdrawal of this ground of rejection, if applied to claims 18-28, is respectfully requested.

Rejection Under 35 U.S.C. §103(a)

Claims 2-3 and 5-17 were rejected under 35 U.S.C. §103(a) as being allegedly unpatentable over Gilbreth in view of U.S. Patent No. 2,910,054 to Schutte ("Schutte"). This rejection is respectfully traversed with respect to claims 18-28 for the following reasons.

The Examiner acknowledges that Gilbreth does not teach or suggest the use of an electrically resistive element coupled to the generator and disposed in the compressor upstream of the outlet portion of the compressor to selectively dissipate a portion of the generated power as thermal energy in the air channeled into the compressor. The Examiner relies, incorrectly, it is submitted, on Schutte for this teaching.

The Examiner asserts that Schutte teaches "an air intake disposed in a preselected relationship to the resistive element to channel air over the resistive element (R₃) and into the compressor for the purpose of presenting a low resistance for high coolant

temperatures." (Office Action, p. 3.) The resistor R_3 of Schutte is one of a pair of variable sensing resistors (R_3 and R_4) (Schutte, Col. 4, lines 20-21). Sensing resistor R_3 varies in dependence upon the air temperature (Schutte, Col. 6, lines 26-27).

In Schutte, resistor R_3 *senses* (*i.e.*, detects) changes in temperature of the air entering the intake. The output of R_3 is used to control or adjust the pulse width or injection time by varying the potential impressed upon a timing circuit. (Schutte, Col. 6, lines 7-8.) Resistor R_3 *does not dissipate* thermal energy into the air entering a compressor intake, as required by the claims presented herein. Therefore, even assuming, *arguendo*, it would have been obvious at the time the present invention was made to modify Gilbreth in view of Schutte, to locate a temperature sensing resistor in the compressor intake, the so modified device would not teach the herein claimed invention. The modified device would not teach any mechanism to dissipate thermal energy into the air entering the compressor intake. For at least this reason, the combination of Gilbreth and Schutte would not render Applicants' herein claimed invention obvious.

Reconsideration and withdrawal of this ground of rejection, if applied to claims 18-28, is respectfully requested.

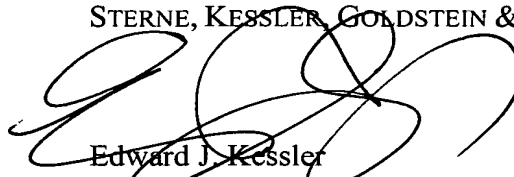
Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

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